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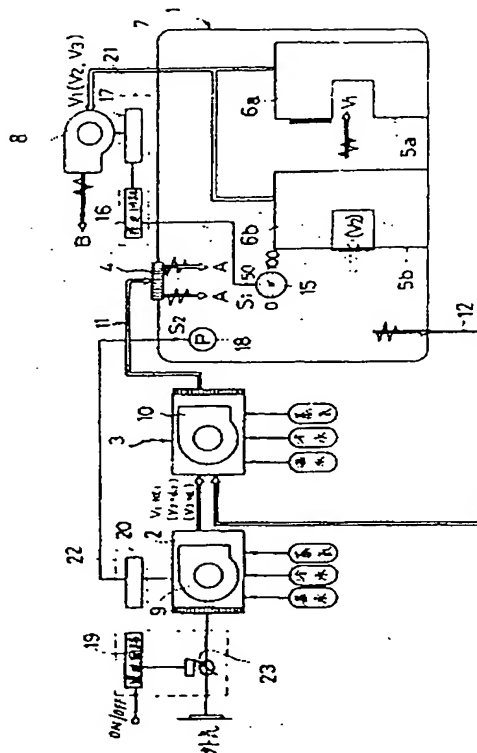
APPLICATION DATE : 07-05-83
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APPLICANT : TAIKISHA LTD;

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TITLE : AIR SUPPLY AND EXHAUSTION
CONTROL SYSTEM FOR AIR
CONDITION SYSTEM



ABSTRACT : PURPOSE: To save the consumption of the load energy in air conditioning by a method in which air is discharged according to the operating condition of equipment in the air conditioning chamber and air is supplied in an amount enough to balance the amount of air to be discharged.

CONSTITUTION: The amount of air to be discharged in an air conditioning chamber 1 is determined according to the operation of productive equipments 5a and 5b. For example, in the case of the productive equipment 5a or 5b, it is determined to be V1 or V2, and for both of the equipments 5a and 5b, it is determined to be V3 (V1+V2). Signal S1 corresponding to the revolving number controller 17 of an exhaust air fan controller 21 is sent out through a delay circuit 16 by an air amount setter 15. The revolving speed of the exhaust fan 8 is gradually raised according to the signal S1, and air is discharged according to the operation of the productive equipments. The revolving speed of an air supply fan 9 is varied according to signal S2 from a pressure sensor 18 by the revolving number controller 20 of an air supply fan controller 22, and air is supplied in an amount enough to balance the pressure drop in the air conditioning chamber 1 in the operation of the productive equipments. In the initial startup of an external conditioner 2, a damper 23 is opened through the delay circuit 19 and the amount of open air to be taken is gradually raised.

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